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L5 ANSWER 35 OF 72 CA COPYRIGHT 2001 ACS  
AN 124:14104 CA  
TI **Cement-free mortar** for waterproof treatment of coal  
mine  
IN Zhang, Haifeng; Zhu, Yongxiang; Guo, Xiaoshan  
PA Xian Branch of Coal Science Research Academy, Peop. Rep. China  
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.  
CODEN: CNXXEV  
DT Patent  
LA Chinese  
IC ICM C04B028-24  
ICS C04B018-06; C04B014-10; C04B022-06  
CC 58-3 (Cement, Concrete, and Related Building Materials)  
Section cross-reference(s): 51

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	<u>CN 1093351</u>	A	19941012	CN 1993-103992	19930409
AB	The title <b>mortar</b> comprises <b>fly ash</b> 51-59, clay 4-8, slaked <b>lime</b> 3-5, <b>sodium silicate</b> 3-5, and water 31-33 wt.%. 				
ST	<b>cement free mortar</b> waterproofing material; coal mine grouting material				
IT	<b>Mortar</b> ( <b>cement-free mortar</b> for waterproof treatment of coal mine)				
IT					